

## INTERNATIONAL SEARCH REPORT

International Application No. ...  
PCT/JP03/01653A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02B6/34 G02B6/42 H04J14/02 G02B5/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) -& JP 09 211383 A (NIPPON TELEGR &TELEPH CORP &LT;NTT&GT;), 15 August 1997 (1997-08-15)	1,2,7
A	abstract; figure 1	3-6,8-11
X	US 5 803 729 A (TSIMERMAN EFRAIM) 8 September 1998 (1998-09-08) column 3, line 23 - line 68 column 4, line 1 - line 51 figures	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

24 October 2003

Date of mailing of the international search report

03/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Ward, S